UNIVERSITI TEKNOLOGI MARA

The Design and Implementation of Multi Protocol Monitoring System (NGN-IMS)

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Dissertation submitted in partial fulfilment of the requirements for the degree of

Master of Science

Faculty of Electrical Engineering

JANUARY 2016

ABSTRACT

IMS is the short name of IP Multimedia Sub-System. TM IMS network is developed based on 3GPP R8 and ETSI TISPAN NGN R2. The solution is compatible with standards of 3GPP2 Multimedia Domain (MMD) and ITU-T NGN Focus Group (NGNFG). Which provides the services for example, Provides PSTN-like services for voice over broadband (VoBB) subscribers, simulated PSTN services for POTS or ISDN subscribers, and console services for enterprise subscribers, Provides the Centrex service and supplementary services and many more. It is considered as a part of NGN Network, which have the following Network Elements (NE), CSCF, ATS, AIM, RM, CCF..etc.

The Next Generation Network which is abbreviated as NGN, is completely a packet based network. NGN separates bearer capability from control capability and some others that are a powerful distinguish than that of legacy networks. NGN network supports a lot of services including real time/ streaming/ non-real time services and multi-media. NGN Network has internetworking with Legacy Old PSTN via open interfaces. Among all elements, Soft switch considers the heart of the Network which almost controls all NGN Calls in other words it deals with all signaling messages. Media Gateway, access gateway are the bearer capability handler. All the NGN and IMS is Integrated on a IP Backbone that is called IP Core which can be considered as Broadband Super Highway.

ACKNOWLEDGEMENT

First and foremost, praise to Allah S.W.T for His willing and blessing in giving me the opportunity and strength to complete my Master's degree generally and my final year project specifically. I would like to express my gratitude to my supervisor PM DR MAT IKRAM YUSUFfor inspiration and guidance throughout the process of completing this thesis.

I also want to thank MR Rahmat Fauzi from Telekom Malaysia Berhad for his help and support along this traffic monitoring process.

Next, I would like to thank my friends and all EE700 students who help me and gave me suggestions. Finally, thank you to my parents and family for their unwavering support.

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